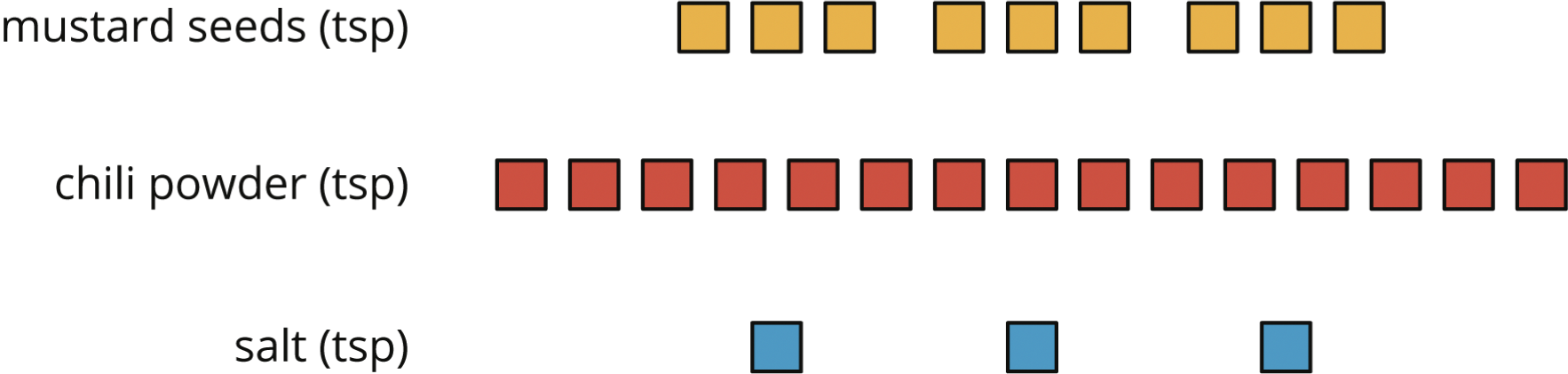
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math: \_\_\_\_\_\_

**Ratios and Equivalent Ratios Practice**

1. A recipe for 1 batch of spice mix says, “Combine 3 teaspoons of mustard seeds, 5 teaspoons of chili powder, and 1 teaspoon of salt.” How many batches are represented by the diagram? Explain or show your reasoning.



1. Diego makes green paint by mixing 10 tablespoons of yellow paint and 2 tablespoons of blue paint.

Which of these mixtures produce the same shade of green paint as Diego’s mixture? Select **all** that apply.

A. For every 5 tablespoons of blue paint, mix in 1 tablespoon of yellow paint.

B. Mix tablespoons of blue paint and yellow paint in the ratio 1 : 5.

C. Mix tablespoons of yellow paint and blue paint in the ratio 15 to 3.

D. Mix 11 tablespoons of yellow paint and 3 tablespoons of blue paint.

1. In a recipe for fizzy grape juice, the ratio of cups of sparkling water to cups of grape juice concentrate is 3 to 1.

a. Find two more ratios of cups of sparkling water to cups of juice concentrate that would make a mixture that tastes the same as this recipe.

b. Describe another mixture of sparkling water and grape juice that would taste different than this recipe.

1. Write two ratios that are equivalent to .
2. Write two ratios that are equivalent to .
   1. The ratio of the width of the rectangle to the height of the rectangle is to .
   2. If each square in the grid has a side length of , what is the width and height of the rectangle?
3. For a project in their health class, Jasmine and Brenda recorded the amount of milk they drank every day. Jasmine drank pints of milk each day, and Brenda drank pints of milk each day.
   * + - 1. Write a ratio of the number of pints of milk Jasmine drank to the number of pints of milk Brenda drank each day.
         2. Represent this scenario with a diagram.
         3. If one pint of milk is equivalent to cups of milk, how many cups of milk did Jasmine and Brenda each drink? How do you know?
         4. Write a ratio of the number of cups of milk Jasmine drank to the number of cups of milk Brenda drank.
         5. Are the two ratios you determined equivalent? Explain why or why not.